

WHAT IS CLAIMED IS:

- 1 1. An isolated peptide comprising an amine
2 acid sequence as shown in SEQ ID NO:174.
- 1 2. The isolated peptide of claim 1, wherein
2 amino acid residue number 3 of SEQ ID NO:174 is selected
3 from the group consisting of alanine, asparagine,
4 glutamine, and tyrosine.
- 1 3. The isolated peptide of claim 1, wherein
2 amino acid residue number 4 of SEQ ID NO:174 is selected
3 from the group consisting of arginine, phenylalanine,
4 serine, and tryptophan.
- 1 4. A method of identifying a molecule that
2 inhibits ristocetin induced aggregation of platelets, the
3 method comprising:
4 determining whether a molecule binds to the
5 isolated peptide of claim 1; and
6 screening a molecule that binds to the isolated
7 peptide of claim 1 to determine whether the screened
8 molecule inhibits ristocetin induced aggregation of
9 platelets.
- 1 5. The method of claim 4, wherein the peptide
2 of claim 1 has an amino acid sequence as shown in SEQ ID
3 NO:38.
- 1 6. The method of claim 4, wherein the molecule
2 is a peptide molecule.
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2 claim 4, 7. A molecule identified by the method of

1 8. A method of modulating the adhesion,
2 aggregation, or agglutination of platelets, which method
3 comprises:
4 selecting platelets; and
5 exposing said selected platelets to the
6 molecule of claim 7.

Sub 92 9. An isolated molecule capable of binding to
2 the isolated peptide of claim 1, wherein the isolated
3 molecule inhibits ristocetin induced aggregation of
4 platelets and wherein the isolated molecule has a three
5 dimensional structure complementary to the three
6 dimensional structure of the isolated peptide.

10. A method of modulating the adhesion,
2 aggregation, or agglutination of platelets, which method
3 comprises:
4 selecting platelets; and
5 exposing said selected platelets to the
6 molecule of claim 9.

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